

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of	:	Docket No. 0074-537949
	:	
Simon Anthony Brown et al.	:	Confirmation No. 4961
	:	
U.S. Appln. No. 10/573,123	:	
	:	
Filed: 11/13/2006	:	
	:	
For: Etch Masks Based on Template-Assembled	:	
Nanoclusters	:	

INFORMATION DISCLOSURE STATEMENT

In compliance with the Duty of Disclosure set forth in 37 C.F.R. §1.56, Applicants are submitting herewith Forms PTO/SB/08A and 08B with this statement.

Please note that this application is the U.S. national phase of International Patent Application No. PCT/NZ2004/000230, filed September 23, 2004. An International Search Report was established for this international application and was published with the international application on March 31, 2005. A copy of the International Search Report and the references cited therein were received by the U.S. Patent and Trademark Office as indicated on Form PTO/DO/EO/903 mailed on November 29, 2006. The references cited in the International Search Report of the international application are listed on the Forms PTO/SB/08A and 08B, but are not enclosed herewith so that they can be printed on the face of the patent when it issues.

This submission is being made in accordance with 37 C.F.R. §1.97 and is believed to be in full compliance with the requirements of 37 C.F.R. §1.98.

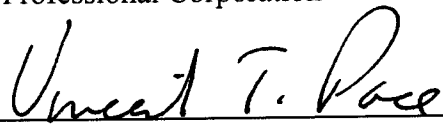
Applicants respectfully request full and proper consideration of the listed information

In re the Application of Simon Anthony Brown et al.
Application No. 10/573,123
Docket No. 0074-537949

during examination of the application, and that the listed information be printed on any patent which issues therefrom.

Respectfully submitted,

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Enclosure: Form PTO/SB/08A and 08B

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/573,123		
		Filing Date	11/13/2006		
		First Named Inventor	Simon Anthony Brown		
		Art Unit	n/a		
		Examiner Name	n/a		
Sheet	1	of	2	Attorney Docket Number	0074-537949

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		S.M. SZE, "Semiconductor Devices - Physics and Technology," pp. 428-451, Wiley, New York, 1985	
		T. HAATAINEN et al., "Pattern Transfer using Step&Stamp Imprint Lithography," Physica Scripta, 2003	
		M. COLBURN et al., "Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning," Proc. SPIE, Vol. 3676, 1999	
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		M. LI et al., "Direct three-dimensional patterning using nanoimprint lithography," Appl. Phys. Letters, Vol. 78, No. 21, 2001	
		G.M. FRANCIS et al., "Diffusion controlled growth of metallic nanoclusters at selected surface sites," J. Appl. Phys., Vol. 79, No. 6, 1996	
		W.A. DE HEER, "The physics of simple metal clusters: experimental aspects and simple models," Rev. of Mod. Phys., Vol. 65, No. 3, 1993	
		I.M. GOLDBY et al., "Diffusion and aggregation of size-selected silver clusters on a graphite surface," Appl. Phys. Lett., Vol. 69, No. 19, 1996	
		S.J. TANS et al., "Room-temperature transistor based on a single carbon nanotube," Nature, Vol. 393, 1998	
		H.D. CHOPRA et al., "Ballistic magnetoresistance over 3000% in Ni nanocontacts at room temperature," Phys. Rev., Vol. B 66, 2002	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet

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of

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		C.Z. LI et al., "Molecular detection based on conductance quantization of nanowires," Appl. Phys. Letters, Vol. 76, No. 10, 2000	
		I.M. GOLDBY et al., "Gas condensation source for production and deposition of size-selected metal clusters," Rev. Sci. Instrum., Vol. 68, No. 9, 1997	
		H. ISHIKURO et al., "Fabrication of Nano-Scale Point Contact Metal-Oxide-Semiconductor for Field-Effect-Transistors Using Micrometer-Scale Design Rule," Jpn.J.Appl.Phys., 1999	
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		J.G. PARTRIDGE et al., "Templated cluster assembly for production of metallic nanowires in passivated silicon V-grooves," Micro. Eng., 2004	
		T. TADA et al., "Channel waveguides fabricated in 2D photonic crystals of Si nanopillars," Micro. Eng., 2002	

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First Named Inventor	Simon Anthony Brown
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	0074-537949

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			
		WO 2004/069735	08/19/2004	Nanocluster Devices Ltd.		
		PCT/NZ02/00160	02/27/2003	Canterprise Limited		

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